

## ABSTRACT OF THE DISCLOSURE

A tire monitor (100) mountable inside a tire (200) includes a tire data sensor (402) and a transmitter (406). The transmitter is configured to transmit tire data at one or more frequencies within a passband of frequencies of the tire. The transmitter of the tire monitor is tuned in relation to the characteristic frequency response of the tire to ensure reliable transmission and reception of radio signals conveying the tire data to a remote receiver.